[0043.]   Fig. 14 is a schematic block diagram showing an example of the circuit composition of each filtering circuit of the third embodiment according to the present invention.

[0044.]   Figs. 15A and 15B are an illustrations showing an example of a distributed control system of the third embodiment, and a format of a message used in this embodiment.

[0045.]   Figs. 16A and 16B are illustrations showing data-setting examples in the registration parts and the sent message, and comparison-processing examples which are carried out for examples of data-setting in the registration part of the third embodiment.

[0046.]   Figs. 17A and 17 are illustrations showing an example of another message format used in the third embodiment.

[0047.]   Fig. 18 is a schematic block diagram showing the composition of a distributed control system of the fourth embodiment according to the present invention.

[0048.]   Fig. 19 is a schematic block diagram showing the composition of each controller in the fourth embodiment.

[0049.]   Fig. 20 is a schematic block diagram showing an example the composition of each transmission processor in the controller shown in Fig. 19.

[0050.]   Fig. 21 is an illustration showing an example of the data composition in a register for storing the position of each condition-identifying portion in a message.

[0051.]   Fig. 22 is a flow chart showing operations of each filtering circuit in the fourth embodiment.

[0052.]   Fig. 23 is an illustration showing an example of the composition of the controller, and data-setting examples in the transmission processors of the controller and the received message in the fourth embodiment.

[0053.]   Figs. 24A, 24B, 24C, and 24D are illustrations showing the composition of the base filtering circuit, and examples of the data compositions in the registration part, the comparison-result setting register, and the register for storing the position of condition-identifying portions in a message, respectively, in the fifth embodiment according to the present invention.